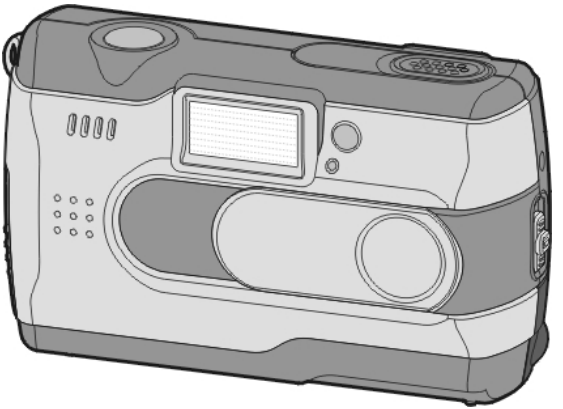
Vivitar

- Quickstart Guide



Model: ViviCam 3330

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Chapter 1 Attention

Please read through this manual carefully before using the camera and follow the instructions to avoid damages caused by improper operation.

1-1 Attention

The software CD-ROM packaged with the camera is designed for PC only. To play this CD-ROM on a stereo or CD player may cause damage to it.
This camera is a precision electronic device. Do not attempt to service this camera yourself, as opening or removing covers may expose you to dangerous voltage points or other risks.
Do not expose this camera under direct sunlight to avoid causing a fire.

1-2 Before Using Your Camera

Try to take some pictures before you perform the formal recording.
Before taking pictures with this camera in any important occasion (such as a wedding ceremony or an overseas trip), do test the camera beforehand to ensure that it functions well. Any additional loss caused by the malfunction of this product (such as costs of photography or any loss of benefit generated by the photography) is not the responsibility of our company and no compensation will be given for it.

Copyright information
Unless agreed by the right owner, all the pictures taken with this digital camera cannot be used in violation of copyright law. Moreover, when "No Photography" restriction is placed on site, you cannot record any live performance, improvisation or exhibits even for personal purpose. Any transfer of pictures or memory card with data must be conducted under the constraints of copyright law.

Notes on the LCD (Liquid Crystal Display) monitor
1.If the liquid contacts the skin:
Please wipe dry the skin with a cloth and wash with large amount of water.
2.If the liquid gets in the eye:
Please immediately rinse with fresh water for at least 15 minutes and then consult with a water to receive treatment as soon as possible.
3.If anyone accidentally swallows the liquid:
Please rinse the mouth with water, drink large amount of water to receive treatment as soon as possible.

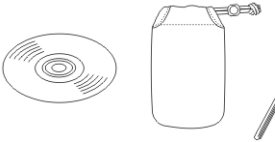
1-3 Operation Caution

This product consists of intricate electrical parts. To ensure the photography normally, do not drop or hit the camera when taking pictures.

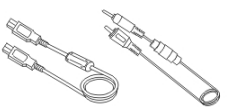
●Avoid to use or place the camera in the following locations:
1.Damp and dusty places.
2. Sealed vehicles or places exposed to direct sunlight or places subject to extremely high temperatures or heat.
3.Violently turbulent environment.
4.Locations full of smoke, oil fumes or steams.
5.Locations subject to strong magnetic field.
6.Raining or snowing environment.
●Do not open the battery cover when the power is on.
●If water has entered the camera, immediately turn the power OFF and remove the batteries.
●How to maintain your camera:
1.If lens, LCD monitor or viewfinder surface is dirty, please use lens brush or soft cloth to wipe clean instead of touching the lens with you fingers.
2.Do not use any solid object to hit the camera to avoid scratching the lens, LCD monitor or viewfinder surface.
3.Do not use any detergent or volatile solution, which will subject the camera case and paint to solving or distortion. Use soft cloth only.

1-4 Package Contents

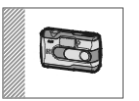
Please check if the following items are in the package when purchasing this product.



CD-ROM (incl. Camera Driver) | Pouch | Wrist Strap | 2 x AA Alkaline Batteries



USB Cable | TV –OUT Cable

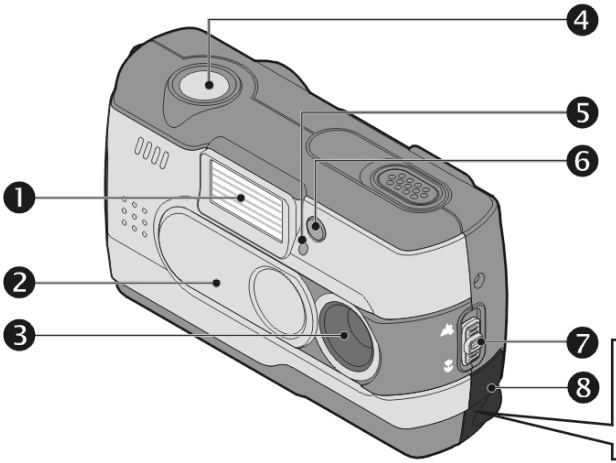


This User's Manual

●CD-ROM (incl. Camera Driver)
●Pouch
●Wrist Strap
●2 x AA Alkaline Batteries
●USB Cable
●TV –OUT Cable
●This User's Manual

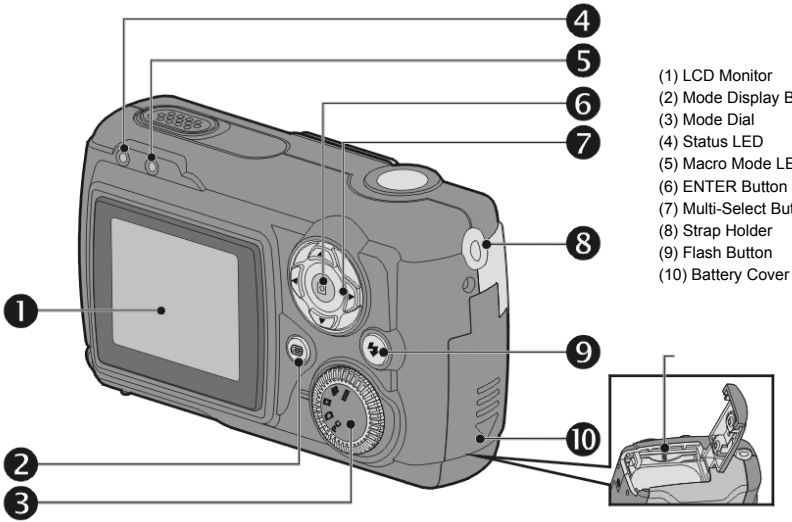
2-1 Names of Parts

Front View



(1) Flash
(2) Lens Cover/ Power Button
(3) Lens
(4) Shutter Button
(5) Self-timer LED
(6) Red-eye Reduction LED
(7) Macro Button
(8) Terminator Cover

Rear View



(1) LCD Monitor
(2) Mode Display Button
(3) Mode Dial
(4) Status LED
(5) Macro Mode LED
(6) ENTER Button
(7) Multi-Select Button
(8) Strap Holder
(9) Flash Button
(10) Battery Cover

2-2 Specifications

- Lens: F=8.5 mm
- Image Sensor: 1/2" CMOS with 1.3 mega pixels
- Focus: F=3.5
- Sensitivity: ISO 100
- White Balance: Auto, Sun, Tungsten, Fluorescent.
- Shutter: Electrical
- Shutter Speed: 1/4 sec. ~ 1/2000 sec.
- Storage Media: 8MB Internal Flash Memory
  SD Card (MMC compatible) Slot
  (support 4/8/16/32/64/128MB)
- Image File Format: Still Image for JPEG
  Motion Image for JPEG
- Image Resolution: FINE: 1600 x 1200
  (Firmware Interpolation Technology)
  MED: 1280 x 1024
  LOW: 640 x 480
- Digital Zoom: 10-Step 2X Digital Zoom
- Focal Range – Standard: 60cm ~ Infinity
- Focal Range – Macro: 20 ~ 25cm
- Self-timer: 10 sec. delay
- PC-CAM Mode: CIF (320 x 240) 20～30 fps
  VGA (640 x 480) 15～25 fps
- Flash Mode: Auto, Red-eye reduction, Off
- TV-OUT: NTSC / PAL system selectable
- PC Connector: USB (Ver. 1.1)
- Movie File: Recording 60 sec. Continuous movie file with CIF (320 x 240) format (8MB internal memory)
- Recordable Image Numbers (8MB):
  (640 x 480) Approx. 65 images
  (1280 x 1024) Approx. 20 images
  (1600 x 1200) Approx. 15 images
- Power Supply: 2 x AA Alkaline Batteries or supports CRV-3
  USB 5V (PC-CAM Mode)
- Dimensions: 93 x 56 x 38 mm
- Weight: About 120g (batteries excluded)

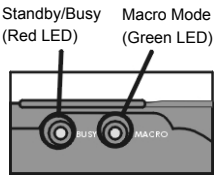
2-3 System Requirement

Please refer to the minimum system requirements for the digital camera. We recommend that you use a computer system that exceeds the minimum requirements in order to utilize the camera at its optimum efficiency. The minimum system requirements for the digital camera is as the following:

System	Requirement
OS	Microsoft Windows 98SE/Me/2000/XP
CPU	Intel Pentium 166MHz or higher
Memory	Minimum 32 MB memory or above
CD-ROM	4X or above
HDD	Hard drive with 10 MB free disk space minimum
Others	One standard USB 1.1 port

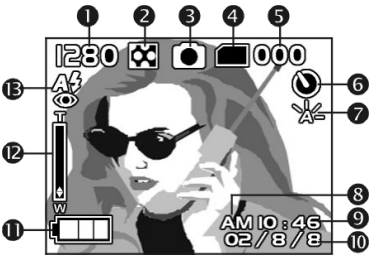
3-1 LED Indicators

The meanings of the LED indicators located on the top of LCD monitor are:



LED Status		Description
Red	On	The camera is busy, please continue to perform the operation after the camera restore to be blinking
	Blinking	Camera is powered on and standby
Green	On	Macro mode
	Off	Basic Mode for photography

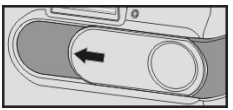
3-2 LCD Monitor Display



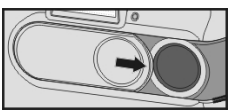
(1) Image resolution
(2) Image quality
(3) Current working mode
(4) Memory card loaded symbol
(5) Possible number of shots
(6) Self-timer photography
(7) White balance display
(8) Morning/Afternoon display
(9) Time display
(10) Date display
(11) Remaining battery power
(12) Zoom lever
(13) Flash status

3-3 Power Supply

●Slide the lens cover toward left gently and turn on the camera after two beeps sound.



●Slide the lens cover toward right gently and turn off the camera.



●Using the lens cover located on the front of the camera to turn on/off camera. After turn on the camera, the red LED will be blinking, and then the last image recorded appears on the LCD monitor.

※If no operation is carried out for a fixed amount of time (default: about 1 minute), the power is turned OFF to prevent battery wear. This is called "Auto Power OFF".

You can press the “Mode Display Button” to restart the camera.

※The following features will automatically save the configuration before turn off the camera unless you ever selected "Reset Default" to restore its factory anticipated settings.

1.Resolution
2.Quality
3.OSD Language
4.White Balance
5.EV Compensation
6.TV-Out
7.Light Frequency
8.PC Mode

3-4 Shutter Button

This camera is designed for 2-step shutter function. A "[ ]" mark will appear on the center position on the LCD monitor when you press and hold the **Shutter** button down half way. Then press the **Shutter** button down fully and the camera beeps; release **Shutter** button to take a picture.

3-5 Mode Dial

● You can select the working mode by using this Mode Dial:

1. PC Mode

2. Record Mode

3. Play Mode

4. Movie Mode

5. SET Setup Mode

3-6 MENU/ENTER Button

You can perform different operation in the different mode by using **MENU/ENTER** button, e.g. select, confirm, go forward and backward.

3-7 Flash Button

●This button is only working in the **Record Mode**. Press this button to select the desired flash mode while taking a picture and there are 4 modes available:

Auto → Auto and Red-eye reduction → Off→ Auto

3-8 Mode Display Button

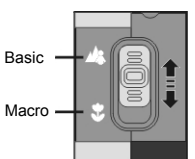
1.This button is only working in the **Record Mode**. Press this button you can change the LCD monitor to several displays. Standard → Full Display → Image Only → LCD Monitor Off → Only Operation Settings → Standard

2. Press the "**Mode Display Button**" to enter the "**Play Mode**" to view the images when the camera is power off.

3.In the **Record Mode**, the camera will be auto power off cause of the power saving function. You can press the "**Mode Display Button**" to turn on the camera again.

3-9 Macro Button

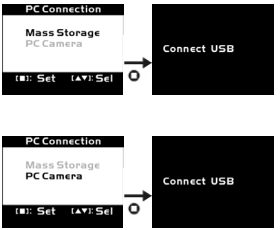
●Slide down and up the **Macro** button at the side of camera to switch between **Basic** and **Macro** modes. When you selected the **Macro** mode, the green LED located on the top of the LCD monitor will be on.



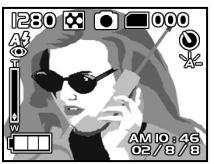
※If you selected the **Macro Mode** when using the camera, the flash off function will be enabled automatically.

Chapter 4 Navigating Modes and Menus

4-1 Mode Selection

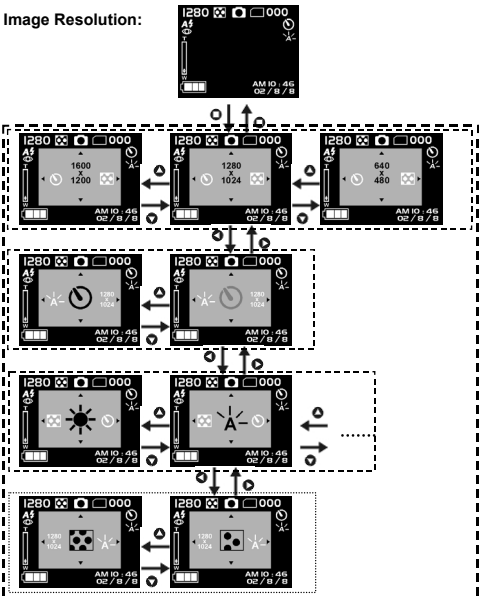


4-2 Record Mode



→ For more information, please refer to the "3-2 LCD Monitor Display" section in page 7.

Image Resolution:

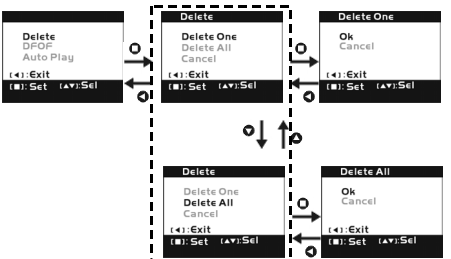


4-3 Play Mode

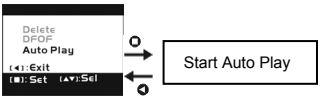
(1) Possible number of shots
(2) Remaining battery power
(3) Mode Selection

Index for Quick Menu:

1. Delete Pictures



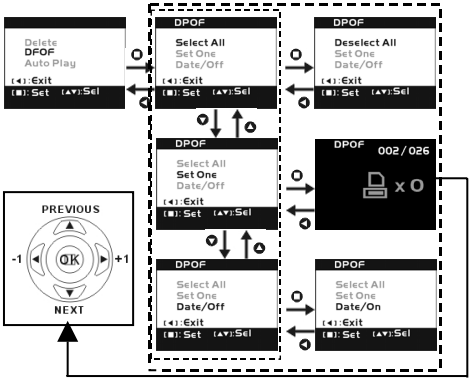
2. Slideshow



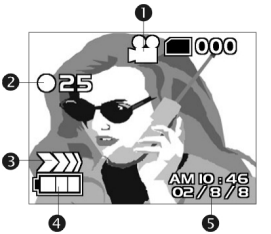
3. DPOF (Digital Print Order Format) Settings

- With DPOF for printing your images, there are three options for you: print one image, print all images and print the recorded date or not.
- DPOF function can only be operated with the printer settings of the memory card inserted, not active with internal memory.

※If no memory card inserted, even there are images stored in the internal memory, the DPOF function will be disabled.



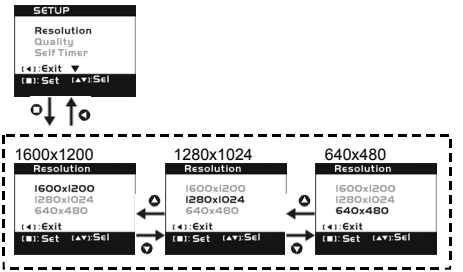
4-4 Movie Mode



(1) Movie Mode
(2) Recorded Movie Time (seconds)
(3) Recording the movie pictures
(4) Remaining battery power
(5) Time/Date

4-5 Setup Mode SET

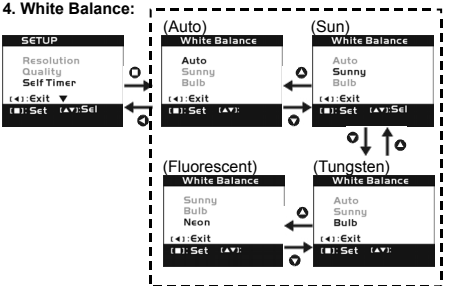
1. Image Resolution



2.Image Quality:

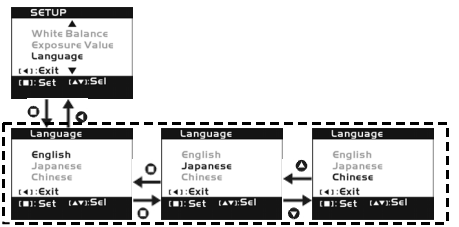
3. Self-timer

4. White Balance:

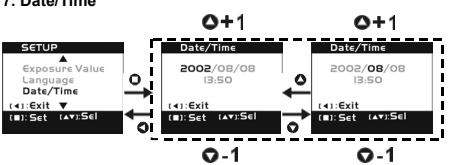


5. EV Compensation

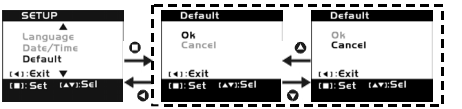
6. OSD Language



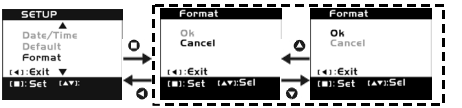
7. Date/Time



8. Reset to default factory anticipated settings



9. Format Media



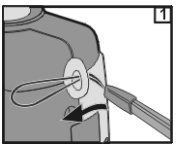
※ If there is a memory card inserted, it will only format the memory card, not the internal memory.

10. TV-Out Operation

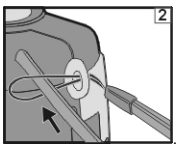
11. Light Frequency

Select the correct frequency type (50Hz or 60Hz) according to your region.

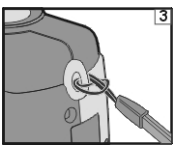
5-1 Attaching the Strap



●Insert the thin end of strap into the strap holder.



●Pass the other end of strap through the loop.

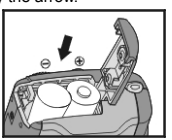


●Stretch the strap tightly.

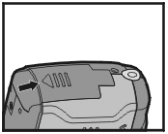
5-2 Loading Batteries

●Turn off the power of camera.
Insert 2 x AA alkaline batteries or a rechargeable battery. Please make sure the batteries are full of power. If the batteries are in low power, please change the new batteries as soon as possible for keep the camera operating normally.

●Slide the switch on the battery cover in the direction indicated by the arrow.



●Insert the batteries as indicated on the inner side of the cover.



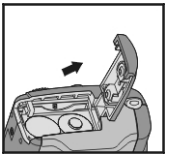
●Close and lock the battery cover.

NOTE:
Do not open the cover roughly to avoid damaging the battery compartment cover.
❇If the battery power indicator shows only one black block that means the power is wear, you can continue to use the flash.
❇When the battery indicator turns red, you cannot take still and movie pictures any more.

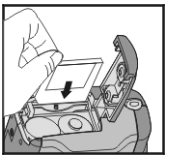
5-3 Loading and Removing the Memory Card

●Make sure to turn off the camera.

1. Loading the memory card.



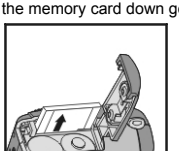
●Slide the switch on the battery cover in the direction indicated by the arrow.



●Insert the memory card in the direction of the arrow.

2. Removing the memory card

●Press the memory card down gently.



●The memory card will bounce upward.

●Pull the memory card out with your fingers in the correct direction.

NOTE:
Before using the camera, please remember to insert the memory card into the slot. If the memory card is full or there are already images stored in it, you can turn the **Mode Dial** to **Setup Mode** SET and then select "**Format**" item to format the memory card. Please make sure you had backup the important data stored in the memory card.

❉ There is 8MB internal memory built-in in the camera for saving your data:
If there is a memory card inserted, it will be the top priority for saving data.
If you want to store data in the internal memory, please remove the memory card first.

●The specification of memory card applicable to this camera is SD or MMC (4/8/16/32/64/128MB).

●If inserting the memory card in the wrong direction, it cannot be fit in. Do not insert the card roughly to avoid damage.

●If the camera detects no memory card, please gently wipe the metal interface of the card with a soft cloth and reloading the card again.

5-4 Setting Up the OSD Language

Before using the camera, please turn the **Mode Dial** to **Setup Mode** SET and then select "**Language**" to set the OSD language. There are 3 options for your selection: English, Traditional Chinese, and Japanese.

5-5. Date/Time

Before using the camera, please turn the **Mode Dial** to **Setup Mode** SET and then select "**Date/Time**" to set the date and time.

6-1 Setup Mode SET

By using the **Setup Mode**, you can adjust the basic camera functions, including: Image Size, Image Quality, Self-timer, White Balance, EV Compensation, OSD Language, Date/Time, Preset Settings, Format Media, and TV-Out items. To setup these items, perform the following:

1. Turn the **Mode Dial** to **Setup Mode** SET.
2. Using the lens cover located on the front of the camera to turn on/off camera. After turn on the camera, the red LED will be blinking, and then the setting up screen will shown on the LCD monitor.
3. By pressing the arrow button ▲ / ▼ on the **MENU/ENTER Button** to move and select the menu items.
4. By pressing the arrow button ▶ on the **MENU/ENTER Button** to enter the selected menu items.
5. By pressing the arrow button ◀ on the **MENU/ENTER Button** to return the previous menu.

6-2 Record Mode

Record Mode offers you a quick and easy way to take the ideal pictures you want.

1. Turn the **Mode Dial** to **Record Mode**.
2. Using the lens cover located on the front of the camera to turn on/off camera. After turn on the camera, and then the last image recorded appears on the LCD monitor.
3. Press and hold the **Shutter** button down half way to focus the objects. The camera will process metering and a yellow **"[ ]"** will appears in the center position of LCD monitor. Press and hold the **Shutter** button continually and it will keep the metering value. Press the **Shutter** button down fully and release the **Shutter** button. Then you will hear two beeps sound and take a picture completely.
4. When taking a picture, you can press the **Flash Button** to set the desired flash modes: Auto, Red-eye reduction, and Off.
5. Press the **Mode Display Button** to choose your favorite LCD display and there are five display modes: Standard Display, Full Display, Image Only, LCD Monitor Off, Only Operation Settings.

6. Using the **MENU/ENTER Button** to set the details settings for recording images, e.g, Image Resolution, Image Quality, Self-timer, and Light Frequency settings. By pressing the ■ button on the center of the **MENU/ENTER Button** button, the menu items will appears on the LCD monitor. Pressing the arrow buttons ◀ / ▶ / ▲ / ▼ on the **MENU/ENTER Button** to move and select the desired menu items.
7. By pressing the arrow buttons ▲ / ▼ on the **MENU/ENTER Button** to adjust the digital zoom and a message of digital zoom will appears on the left side of the LCD Monitor.
8. Slide down and up the **Macro Button** at the side of camera to enable the Macro photography.
After you selected the **Macro Mode**, the Macro LED located on the top of the LCD monitor will light green.

※If the low batteries power icons appears on the LCD Monitor, please change the new batteries immediately for keep the camera operating normally.

❉If the "Memory is not enough!" warning message appears on the LCD Monitor. It means the memory card is full, please removing the memory card and insert a new one immediately.

6-3 Play Mode

In **Play Mode**, users can review the recorded still and movie pictures. To review the pictures, perform the following:

1. Turn the **Mode Dial** to **Play Mode** .
2. Using the lens cover located on the front of the camera to turn on/off camera. After turn on the camera, and then the last image recorded appears on the LCD monitor.
3. By pressing the arrow buttons ▲ / ▼ on the **MENU/ENTER Button** to review the previous and back image.
4. By pressing the ■ button on the center of the **MENU/ENTER Button** button, you can enable the "Delete", "Slideshow" and "DPOF" functions.
5. By pressing the arrow button ▶ on the **MENU/ENTER Button** to enter the selected menu items.
6. By pressing the arrow button ◀ on the **MENU/ENTER Button** to exit the menu.

❉DPOF function can only be operated with the memory card inserted.

❉If there is no image stored in the internal memory or memory card, a "**No picture**" message pops up on the LCD Monitor in the **Play Mode**.

※Press the **Mode Display Button** to review the images when the camera is power off. Press the **Mode Display Button** again will turn off the LCD Monitor.

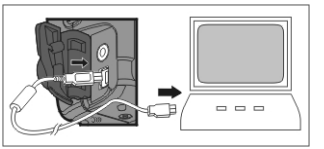
6-4 Movie Mode

You can use **Movie Mode** to record movie pictures (not including audio). To record the movie pictures, perform the following:

1. Turn the **Mode Dial** to **Movie Mode** .
2. Using the lens cover located on the front of the camera to turn on/off camera. After turn on the camera, and then the last image recorded appears on the LCD monitor.
3. Press the Shutter button to start recording. Press the **Shutter** button again to stop recording.
4. The LCD Monitor will show the recorded time (seconds) while you are recording the movie pictures.

❊ To record the movie pictures, the maximum recording time will depending on the free space of the memory card.

6-5 PC Mode



● To select the **PC Camera** or **Mass Storage** items in the **PC Connection** menu, perform the following:

1. Power on the camera and turn the **Mode Dial** to **PC**.

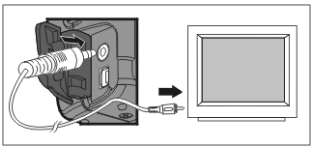
The **PC Camera** and **Mass Storage** two menu items will appears on the LCD Monitor.

2. Pressing the arrow buttons ▲ / ▼ on the MENU/ENTER Button to move and select the desired menu items. Pressing the ■ or ▶ button to confirm and save the settings.
3. If a "**Connect USB**" message pops up on the LCD Monitor, please connect the USB cable to the camera and PC to complete the configuration.

※Once save the settings, the camera will keep these menu settings before you change them again.

6-6 TV-Out Operation

Using the **TV-Out** function offered by the camera, you can transfer the images to the other display devices, e.g. TV or computer. To transfer the images, perform the following:



1. Please select the correct video type for the connected device before transferring images. Turn the **Mode Dial** to **Setup Mode** SET and then select correct video output types for your selection: NTSC or PAL.
2. Please process this function; please use the video cable provided with the camera to connect the camera and output device.
3. You can turn on the camera. There will no images shown on the LCD Monitor. All the images and information will shown on the output device's display via the video output cable.

❇You can perform the camera normally when enable the TV-Out function. The only difference is the location to show the images, and image information will be form LCD Monitor to video output device's display.

❇While using the camera, after you connect the video cable to the camera, the images will be no longer shown on the LCD Monitor. If you want to restore the display status on the LCD Monitor, please disconnect the video cable from the camera.

7-1 Installing the Camera Driver for PC

You can use the **PC Camera** and **Mass Storage** functions of the camera via PC. To install the proper camera driver, perform the following:

1. Insert the software CD-ROM supplied with the package into the CD-ROM drive.
2. The Auto-run program will be executed and the welcome screen appears:
   (If your CD-ROM drive doesn't support the auto-run function. Please double click on the "**My Computer**" icon on the desktop. Double click the CD-ROM drive icon and click the **InstallMgr.exe** file in the root directory.

3. Click the **Install Vivicam3330 driver** to install driver, and the screen will appear as following:

InstallShield Wizard
Welcome to the InstallShield Wizard for Vivicam 3330
The InstallShield® Wizard will install Vivicam 3330 on your computer. To continue, click Next.
< Back
Next >
Cancel

4. Click the **Next** to continue the setup program. After you installed camera driver successfully, a message will appears on the screen as following:

InstallShield Wizard
InstallShield Wizard Complete
The InstallShield Wizard has successfully installed Vivicam 3330. Before you can use the program, you must restart your computer.
Yes, I want to restart my computer now.
No, I will restart my computer later.
Remove any disks from their drives, and then click Finish to complete setup.
< Back
Finish
Cancel

5. Click **Finish** to restart the computer and finish the camera driver installation.

7-2 Installing the Applications for PC

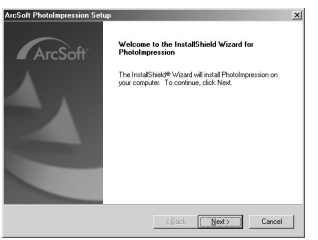
Install **Arcsoft Software** (Take Photo Impression Installation for example)

1. Insert the software CD-ROM supplied with the package into the CD-ROM drive.
2. The Auto-run program will be executed and the welcome screen appears:
   (If your CD-ROM drive doesn't support the auto-run function. Please double click on the "**My Computer**" icon on the desktop. Double click the CD-ROM drive icon and click the **InstallMgr.exe** file in the root directory.

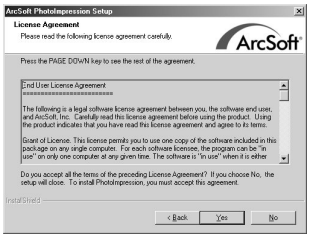
3. Click the **Arcsoft PhotoImpression** to install, and the screen will appear as following:

4. Select the language for installation. Click **OK** to confirm your selection.

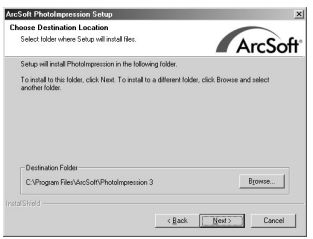
5. You will see the Welcome screen. Click **Next** to continue.

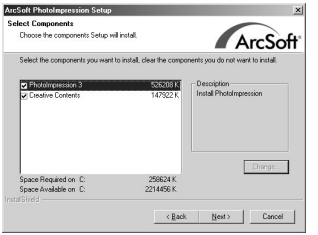

ArcSoft PhotoImpression Setup
ArcSoft
Welcome to the InstallShield Wizard for PhotoImpression
The InstallShield® Wizard will install PhotoImpression on your computer. To continue, click Next.
< Back
Next >
Cancel

6. Enter **Software License Agreement** window.
   Please click **Yes** to continue installation.

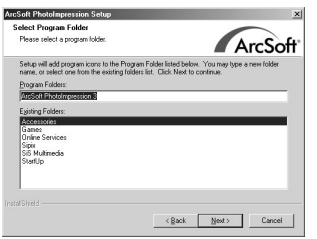

ArcSoft PhotoImpression Setup
License Agreement
Please read the following license agreement carefully.
ArcSoft
Press the PAGE DOWN key to see the rest of the agreement.
End User License Agreement
The following is a legal software license agreement between you, the software end user, and ArcSoft, Inc. Carefully read this license agreement before using the product. Using the product indicates that you have read this license agreement and agree to its terms.
Grant of License. This license permits you to use one copy of the software included in this package on any single computer. For each software licensee, the program can be "in use" on only one computer at any given time. The software is "in use" when it is either
Do you accept all the terms of the preceding License Agreement? If you choose No, the setup will close. To install PhotoImpression, you must accept this agreement.
InstallShield
< Back
Yes
No

7. Please follow the instructions of installation **Wizard** to select a destination folder and components you need.

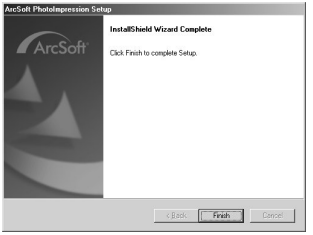

ArcSoft PhotoImpression Setup
Choose Destination Location
Select folder where Setup will install files.
ArcSoft
Setup will install PhotoImpression in the following folder.
To install to this folder, click Next. To install to a different folder, click Browse and select another folder.
Destination Folder
C:\Program Files\ArcSoft\PhotoImpression 3
Browse...
InstallShield
< Back
Next >
Cancel



8. Please select the program folder you want to install



9. When the installation is completed, the window below will appear. Click **Finish** to end the installation.



7-3 Camera Setting on Windows XP

When you plug-in the camera and select PC Camera Mode on Windows XP Operate System, system will configure the device automatically and the following screen will appear:

Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
This wizard helps you install software for:
Dual Mode Digital Camera
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

1. users should click "Next" button.

Hardware Installation
The software you are installing for this hardware:
Dual Mode Digital Camera
has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
Continue Anyway
STOP Installation

2. Users should click "Continue Anyway" button

Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
This wizard helps you install software for:
Dual Mode Video Capture Camera
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

3. Users should click "Next" button.

Hardware Installation
The software you are installing for this hardware:
Dual Mode Video Capture Camera
has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
Continue Anyway
STOP Installation

4. Users should click "Continue Anyway" button and complete the camera setting on Windows XP.